IEEE P802.11  
Wireless LANs

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| Minutes for TGbe MAC Ad-Hoc sessions in November 2023 Plenary | | | | |
| Date: 2023-11-13 | | | | |
| Author(s): | | | | |
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| Liwen Chu | NXP |  |  |  |
|  |  |  |  |  |

Abstract

This document contains the meeting minutes for the TGbe MAC ad hoc sessions in November 2023 Plenary.

Revisions:

* Rev0: Added the minutes from the MAC ad hoc sessions held on November 13 AM1, November 14 AM1, AM2, PM2, and November 15 PM2.

**November 13, 2023, AM1 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex and in Honululu (in-person).

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 08:00. The Chair introduces himself and the Secretary.
2. The Chair reminded the members that they need to register for the plenary in order to attend the meeting.
3. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
   1. Nobody responds.
4. The Chair goes through the IEEE copyright policy.
5. The Chair recommends using IMAT for recording the attendance.
   * Please record your attendance during the conference call by using the IMAT system:
     + 1) login to [imat](https://imat.ieee.org/attendance), 2) select “802.11 Telecons (<Month>)” entry, 3) select “C/LM/WG802.11 Attendance” entry, 4) click “TGbe <MAC/PHY/Joint> conference call that you are attending.
   * If you are unable to record the attendance via [IMAT](https://imat.ieee.org/attendance) then please send an e-mail to Liwen Chu ([liwen.chu@nxp.com](mailto:liwen.chu@nxp.com)) and Jeongki Kim ([jeongki.kim.ieee@gmail.com](mailto:jeongki.kim.ieee@gmail.com))
6. The Chair asked whether there is comment about agenda in 11-23/1711r1. The agenda was approved.

**Submissions**

1. [1802r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1802-01-00be-lb275-9-4-2-316-qos-char-element.docx) LB275-9.4.2.316 (QoS char element) Duncan Ho [4C]

Discussion:

C: For adding bandwidth, this is still long term approach. What’s the position for more dynamic one?

C: Similar to previous commenter. We need to provide the short term feedback

C: Bandwidth is not necessary. It’s duplicated with data rate field

A: I will defer the CID.

SP: Do you support to accept the resolution in 11-23/1802r1 for the following CIDs?

20086, 19566

No objection

1. [1804r](https://mentor.ieee.org/802.11/dcn/23/11-23-1804-01-00be-lb275-cr-35-3-18-part-2.docx)2 CR 35.3.18 part 2 Liwen Chu [7C]

C: Regarding new naming, you changed to EMLSR/EMLMR but you still use EMLSR parameter or EMLMR parameter.

A: You want to make new field?

C: No, You can use the existing field EMLSR/EMLMR bitmap.

A: Ok, I will defer this CID 19571.

C: EMLSR/EMLMR Mode subfield is not correct also. We have to separate it.

A: Ok, I will defer it.

C: I don’t think this is needed. Why this needed?

SP: Do you support to accept the resolution in 11-23/1804r2 for the following CIDs?

19334, ~~19571~~, 19585, 19841, 19844, 19845, ~~19878~~

No objection

1. [1560r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1560-01-00be-lb275-cr-for-cids-in-35-3-16-8-3.docx) CR for CIDs in 35.3.16.8.3 Ming Gan [5C]

SP: Do you support to accept the resolution in 11-23/1560r1 for the following CIDs?

19291

No objection

SP: Do you support to accept the resolution in 11-23/1560r1 for the following CIDs?

19859 19437 19457 19864

34Y, 20N, 24A

Note: No objection to rejection of CIDs 19859 19437 19457 19864 with rejection reason “No consensus” based on the SP result 34Y, 20N, 24A

1. [1793r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1793-00-00be-lb275-cr-for-cid-20088.docx) CR for CID 20088 Liuming Lu [1C]

SP: Do you support to accept the resolution in 11-23/1793r0 for the following CIDs?

20088

9Y, 55N, 24A

Note: No objection to rejection of CID 20088 with rejection reason “No consensus” based on the SP result 9Y, 55N, 24A

1. [1849r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1849-00-00be-cids-related-to-rtwt.docx) CIDs related to rTWT George Cherian [8C]

C: Is this clarification only for R-TWT SP? Other broadcast TWT?

A: Yes, we can extend it to other broadcast TWTs later.

C: What do you mean TSF time 0? TSF 0 is base time.

A: This is just a reference.

C: You don’t have to mention the TSF time 0.

SP deferred.

1. [1882r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1882-00-00be-proposed-resolution-to-11be-lb275-cid-19523.docx) Proposed resolution to 11be LB275 CID-19523 Qi Wang [1C]

C: We have already discussed this issue for a long time. Non-AP STA may not respond the ICF. STA can choose. And, if STA stop, the STA will lose the transmission opportunity. I don’t see any reason to add the rule.

C: There is text in the spec related to frame exchange by initial control frame can be overlapped with broadcast frames. It already allows.

C: Broadcast frames can be sent after DTIM.

SP deferred.

The session was recessed at 10:00.

**November 14, 2023, AM1 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex and in Honululu (in-person).

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 08:00. The Chair introduces himself and the Secretary.
2. The Chair reminded the members that they need to register for the plenary in order to attend the meeting.
3. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
   1. Nobody responds.
4. The Chair goes through the IEEE copyright policy.
5. The Chair recommends using IMAT for recording the attendance.
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6. The Chair asked whether there is comment about agenda in 11-23/1711r1. The agenda was approved.

**Submissions**

1. [1781r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1781-00-00be-lb275-cr-on-broadcast-twt.docx) CR on Broadcast TWT Rubayet Shafin

C: adding new field, compability issue for legacy STA which does not understand.

C: Do we need to add similar text related to normative operation with TWT information frame with Link ID?

A: I can also consider those texts.

C: R-TWT support is link property.

A: Broadcast TWT is also link specific.

C: R-TWT or Broadcast TWT is STA’s capability. We don’t need the additional thing.

SP is deferred to PM1

1. 1763r0 CR: PPDU End Time Alignment Juseong Moon

Note: SP will be scheduled at PM1 session.

1. 1778r0 Resolution for comments assigned to Abhi-Part 11 Abhishek Patil

C: I agree with the comment on the first group by Matt. It can be changed time-to-time.

A: Max operation links will not be changed by AP. The value is not changed. The parameter applied to all non-APs.

SP: Do you support to accept the resolution in 11-23/1778r0 for the following CIDs?

19181, 19185, 19182, 19183, 19184, 19683, 19770

SP is deferred to PM1.

1. [1785r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1785-00-00be-lb275-cr-for-35-3-19-part2.docx) CR for 35.3.19 part2 Kaiying Lu

SP: Do you support to accept the resolution in 11-23/1785r1 for the following CIDs?

19219, 20001, 20095, 19412, 20111, 20112, 20113

No objection

SP: Do you support to accept the resolution in 11-23/1785r1 for the following CIDs?

19412

11Y,18N, 22A

Note: No objection to rejection of CIDs 19412 with rejection reason “No consensus” based on the SP result 11Y, 18N, 22A

1. [1786r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1786-00-00be-lb275-cr-for-35-2-1-1.docx) CR-for-35-2-1-1 Kaiying Lu

C: Why do you try to limit this operation to RTS/CTS frame exchanges? What about other control frame?

A: Other control frame can be already covered by the general.

C: Note is for general control frames in non-HT duplicated format with pucturing.

SP is deferred.

1. 2010r1 Gaurang Naik

C: In the middle, you cited the authentication, but it should be the association. You don’t need subclause name.

C: What do you mean the second otherwise?

C; In this case , AP needs to accept all request? Or can reject?

C: The paragraph for Otherwise looks new.

1. [1806r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1806-00-00be-lb275-cr-for-misc-cids.docx) CR for misc CIDs Guogang Huang

C: This MAX simultaneous links are for AP MLD TID-to-link mapping.

C: The original sentence does not say the TDLS setup on direct link.

C: What’s the issue on recommended MAX link?

A: AP MLD just announced that information currently to non-AP MLD.

C: Do you want to make individual process instead of broadcast?

A: Just negotiating between AP MLD and non-AP MLD.

Recess at 10:00.

**November 14, 2023, AM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex and in Honululu (in-person).

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 10:30. The Chair introduces himself and the Secretary.
2. The Chair reminded the members that they need to register for the plenary in order to attend the meeting.
3. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
   1. Nobody responds.
4. The Chair goes through the IEEE copyright policy.
5. The Chair recommends using IMAT for recording the attendance.
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6. The Chair asked whether there is comment about agenda in 11-23/1711r2. The agenda was approved.

**Submissions**

1. [1808r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1808-00-00be-lb275-cr-emlsr-aar-operation.docx) EMLSR AAR Operation Juseong Moon [1C]

C: Why QoS null with AAR no ack policy? QoS Null frame TX is already allowed by non-AP STA. What’s the proposal?

A: I want to define AAR in immediate response frame.

SP: Do you support to accept the resolution in 11-23/1808r0 for the following CIDs?

19582

15Y, 28N, 22A

Note: No objection to rejection of CIDs 19582 with rejection reason “No consensus by the group” based on the SP result 15Y, 28N, 22A

1. [1771r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1771-00-00be-lb275-cr-for-ml-reconfiguration-part-7.docx) CR for ML Reconfiguration part 7 Binita Gupta [4C]

C: For Dialog token, why do we use the same value as notify frame? What if the STA transmits the Reconfiguration request frame twice? I don’t think this is necessary.

A: This is following the BTM.

C: I agree with the previous commenter.

A: Ok, I will do no change.

SP: Do you support to accept the resolution in 11-23/1771r1 for the following CIDs?

19892, 20014, 20069

No objection

1. [1769r6](https://mentor.ieee.org/802.11/dcn/23/11-23-1769-05-00be-lb275-cr-for-ml-reconfiguration-part-5.docx) CR for ML Reconfiguration part 5 Binita Gupta [2C SP]

SP: Do you support to accept the resolution in 11-23/1769r6 for the following CID?

20073

No objection

1. [1542r4](https://mentor.ieee.org/802.11/dcn/23/11-23-1542-04-00be-lb275-cr-for-ml-reconfiguration-part-4.docx) CR for ML Reconfiguration part 4 Binita Gupta [1C SP]

C: Why do we exclude OCI element? Link reconfiguration request/response are encrypted.

C: Don’t need additional code.

C: we already have many fields. It will increase the complexity. What’s the motivation of it?

SP: Do you support to accept the resolution in 11-23/1542r5 for the following CID?

20070

32Y, 34N, 21A

Note: No objection to rejection of CID 20070 with rejection reason “No consensus by the group” based on the SP result 32Y, 34N, 21A

SP: Do you support to accept the resolution in 11-23/1542r5 for the following CID?

20007

29Y, 42N, 17A

SP: Do you support to accept the resolution in 11-23/1542r5 for the following CID?

20035

32Y, 39N, 16A

1. [1400r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1400-02-00be-lb275-cr-for-subclause-35-3-7-5-2-part-2.docx) CR-for-Subclause-35.3.7.5.2 - Part 2 Arik Klein [1C SP]

SP: Do you support to accept the resolution in 11-23/1400r3 for the following CID?

20053

No objection

1. [1401r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1401-00-00be-lb275-cr-for-subclause-35-3-7-5-3.docx) CR-for-Subclause-35.3.7.5.3 Arik Klein [1C SP]

C: what do you mean if there is no TTLM advertised that contains at least one TID mapped to that link? I think it conflicts with the first part.

SP: Do you support to accept the resolution in 11-23/1401r1 for the following CID?

20078

19Y, 35N, 25A

Note: No objection to rejection of CID 20078 with rejection reason “No consensus by the group” based on the SP result 19Y, 35N, 25A

1. [1547r8](https://mentor.ieee.org/802.11/dcn/23/11-23-1547-08-00be-lb275-cr-for-misc-cids.docx) CR for misc CIDs Laurent Cariou [1C SP]

SP: Do you support to accept the resolution in 11-23/1547r8 for the following CID?

19373

No objection

1. [1849r1](https://mentor.ieee.org/802.11/dcn/23/11-23-1849-00-00be-cids-related-to-rtwt.docx) CIDs related to rTWT George Cherian [7C SP]

SP: Do you support to accept the resolution in 11-23/1849r1 for the following CID?

19633, 19632, 19820, 19825, 19905

43Y, 20N, 25A

Note: No objection to rejection of CIDs 19633, 19632, 19820, 19825, 19905 with rejection reason “No consensus by the group” based on the SP result 43Y, 20N, 25A

Recess

**November 14, 2023, PM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex and in Honululu (in-person).

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 16:00. The Chair introduces himself and the Secretary.
2. The Chair reminded the members that they need to register for the plenary in order to attend the meeting.
3. The Chair goes through the 802 and 802.11 IPR policy and procedures and asks if there is anyone that is aware of any potentially essential patents.
   1. Nobody responds.
4. The Chair goes through the IEEE copyright policy.
5. The Chair recommends using IMAT for recording the attendance.
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6. The Chair asked whether there is comment about agenda in 11-23/1711r4. The agenda was approved.

**Submissions**

1. 1803r2 Minyoung Park [2C SP]

SP: Do you support to accept the resolution in 11-23/1803r2 for the following CID?

19851 19213

No objection

1. 1800r0 Gaurang

SP: Do you support to accept the resolution in 11-23/1800r1 for the following CID?

19367, ~~19372~~, 19407, 19620

No objection

1. 1798r1 Yunbo Li [2C SP]

SP: Do you support to accept the resolution in 11-23/1789r2 for the following CID?

19452 19878

17Y, 15N, 15A

No objection for rejection on CIDs with “no consensus”

1. 1794r2 Yunbo Li [1C SP]

SP: Do you support to accept the resolution in 11-23/1794r2 for the following CID?

19726

No objection

1. 1786r1 Kaiying

SP: Do you support to accept the resolution in 11-23/1786r1 for the following CID?

19607

No objection

1. 1806 Guogang

SP: Do you support to accept the resolution in 11-23/1806r2 for the following CID?

19002 19216 19299 19436 19665 20067

Recess

**November 15, 2023, PM2 (TGbe MAC ad hoc session)**

Chairman: Liwen Chu (NXP)

Secretary: Jeongki Kim (Ofinno)

This meeting took place using a webex and in Honululu (in-person).

**Introduction**

1. The Chair (Liwen, NXP) calls the meeting to order at 16:00. The Chair introduces himself and the Secretary.
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6. The Chair asked whether there is comment about agenda in 11-23/1711r7. The agenda was approved.

**Submissions**

1. 2110r0 CR for CID 19049 Frank Hsu [1C]

SP: Do you support to accept the resolution in 11-23/2110r1 for the following CID?

19049

No objection

1. [1545r0](https://mentor.ieee.org/802.11/dcn/23/11-23-1545-00-00be-lb275-cr-for-r-twt-part-2.docx) CR for R-TWT - Part 2 Kumail Haider [5C SP]

C: is it in Traffic Info field?

A: Yes, STA can tell AP this is P2P.

C: QoS Characteristic element can also indicate P2P traffic. AP can know it based on the element. It’s already supported in 11be spec. I don’t think we need to have multiple methods.

A: This is much simpler way than SCS.

SP: Do you support to accept the resolution in 11-23/1545r0 for the following CID?

19822, 19823, 19967, 19975, 20116

35Y, 43N, 18A

1. [1807r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1807-03-00be-cr-for-cid-19876-nstr-operation.docx) cr for cid 19876 nstr operation Yue Zhao [1C SP]

C: What if the transmission delays on the other link at the beginning? Why not using a single link?

A: non-AP MLD can know high data rate or low data rate based on his history.

C: You can use per-link power save operation.

SP: Do you support to accept the resolution in 11-23/1807r3 for the following CID?

19876

35Y, 61N, 17A

Note: No objection to rejection of CIDs 19876 with rejection reason “No consensus by the group” based on the SP result 35Y, 61N, 17A

1. [1780r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1783-01-00be-lb275-cr-on-r-twt.docx) CR on Misc. CIDs--Part 2 Yue Qi [4C SP]

SP: Do you support to accept the resolution in 11-23/1780r3 for the following CID?

19966

No objection

SP: Do you support to accept optoin 1 in 11-23/1780r3 as the resolution for the following CID?

19985 19986 20000

39Y, 49N, 27A

Note: No objection to rejection of CIDs 19985 19986 20000 with rejection reason “No consensus by the group” based on the SP result 39Y, 49N, 27A

C: Why do we already have QoS characteristic method?

A: That’s long term. This is dynamic method.

C: This might be complex. Against it.

C: I support the option 1.

1. [2010r1](https://mentor.ieee.org/802.11/dcn/23/11-23-2010-00-00be-cr-for-misc-cids-part-7.docx) Resolution for miscellaneous CIDs – part 7 Gaurang Naik [5 CIDs]

C: At the first paragraph, you can add elements set to 2 at the end of exception part.

SP: Do you support to accept the resolution in 11-23/2010r2 for the following CID?

19776, 19777, 20075, 19707, 19708

31Y, 33N, 32A

1. [1800r2](https://mentor.ieee.org/802.11/dcn/23/11-23-1800-02-00be-cr-for-misc-cids-part-5.docx) Resolution for miscellaneous CIDs – part 5 Gaurang Naik [1 CID]

SP: Do you support to accept the resolution in 11-23/1800r2 for the following CID?

19736

No objection

1. [1801r3](https://mentor.ieee.org/802.11/dcn/23/11-23-1801-02-00be-cr-for-misc-cids-part-6.docx) Resolution for miscellaneous CIDs – part 6 Gaurang Naik [2 CIDs]

SP: Do you support to accept the resolution in 11-23/1801r3 for the following CIDs?

19699, 19700

No objection

1. [1600r5](https://mentor.ieee.org/802.11/dcn/23/11-23-1600-06-00be-lb275-cr-ap-backoff-procedure-for-nstr-operation.docx) CR: AP Backoff Procedure for NSTR Operation Juseong Moon [1 CID]

SP: Do you support to accept the resolution in 11-23/1600r6 for the following CID?

19581

14Y, 42N, 26A

Note: No objection to rejection of CIDs 19581 with rejection reason “No consensus by the group” based on the SP result 14Y, 42N, 26A

1. 2011r2 Gaurang Naik

SP: Do you support to accept the resolution in 11-23/2011r3 for the following CID?

19455

No objection

1. 1797r1 Yunbo

SP: Do you support to accept the resolution in 11-23/1797r1 for the following CIDs?

19877 19111 19189 19190

27Y, 46N, 14A

Note: No objection to rejection of CIDs 19877 19111 19189 19190 with rejection reason “No consensus by the group” based on the SP result 27Y, 46N, 14A

Adjourned